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(71) Applicant *(for all designated States except US)*: **CJ CORP.** [KR/KR]; CJ Bldg., 500, Namdaemunno 5-ga, Jung-gu, Seoul 100-749 (KR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **OH, Deok-kun** [KR/KR]; Jugong Apt. 410-106, Byeoryang-dong, Gwacheon-si, Gyeonggi-do 427-731 (KR). **KIM, Taek-bum** [KR/KR]; Daecheon-dong 514-215, Boryeong-si, Chungcheongnam-do 355-010 (KR).

(74) Agent: **CHO, In-Jae**; 3rd Fl., Janghyun Bldg., 637-23, Yeoksam-dong, Gangnam-gu, Seoul 135-909 (KR).

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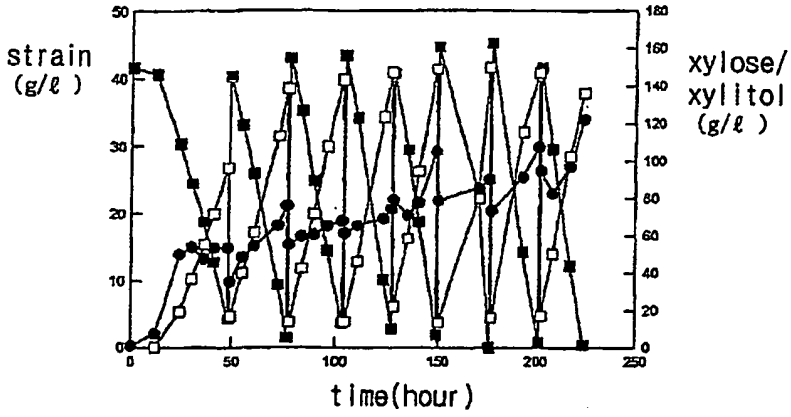
(54) Title: METHOD FOR PREPARING XYLITOL WITH HIGH YIELD USING RECYCLING MICROORGANISM



(57) Abstract: Provided is a process for continuously producing xylitol in high yield and productivity using a vacuum microfiltration bioreactor containing a fermentation medium for a strain of the genus *Candida*, which includes: 5 300 g/l of xylose, 1 10 g/l of urea, 1 10 g/l of potassium diphosphate, 0.01 1 g/l of magnesium sulfate,0.1-10 mg/l of $MnSO_4 \cdot 4H_2O$, 0.1 10 mg/l of $CoCl_2 \cdot 6H_2O$, 0.1 10 mg/l of $NaMoO_4 \cdot 2H_2O$, 0.1 10 mg/l of $ZnSO_4 \cdot 7H_2O$, 0.1 10 mg/l of $AlCl_3 \cdot 6H_2O$, 0.1 10 mg/l of $CuCl_2 \cdot 2H_2O$, 0.01-5 mg/l of H_3BO_3, 1-100 mg/l of $FeSO_4$ $7H_2O$, 0.1-10 mg/l of ascorbic acid, 1-100 mg/l of biotin, 1-100 mg of choline, 1-200 mg/l of folic acid, 1-100mg/l of inositol, 1-100 mg/l of nicotinic acid, 0.1-10 mg/l of *p*-aminobezoic acid, 1-100 mg/l of pantothenic acid, 0.1-10 mg/l of pyridoxine, 10-1,000 mg/l of riboflavin, and 1-100 mg/l of thiamine.

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